

# Work Order ID 129897

February-23-15 10:31:16 AM

**\*129897\***

Page 1

Item ID: D2747 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Set Screw  
 Start Date: 2/23/15 Start Qty: 50.00 **\*50\*** Cust Item ID:  
 Required Date: 2/23/15 Req'd Qty: 50.00 **\*50\*** Customer:  
 Reference:

Approvals: Process Plan: MLJ Date: 15-02-25 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
| D2747    | Rev B        |

|              |                                                                                                                                                  |      |  |  |  |  |  |  |  |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|--|--|--|--|--|
| 100          | PURCHASING                                                                                                                                       | 0.00 |  |  |  |  |  |  |  |
| <b>*100*</b> |                                                                                                                                                  |      |  |  |  |  |  |  |  |
| Purchasing   | Memo                                                                                                                                             | 0.00 |  |  |  |  |  |  |  |
| Purchasing   | Issue P/O: <u>27606</u> 3/8"-24 UNF SS Set Screw 7/8" to 1"<br>longPossible Supplie: McMaster CarrP/N:92311A639Material release note<br>required |      |  |  |  |  |  |  |  |

CK 15/02/27 50

|              |                                            |      |  |  |  |  |  |  |  |
|--------------|--------------------------------------------|------|--|--|--|--|--|--|--|
| 110          | Receive & Inspect for Damage & Mat'l Certs | 0.00 |  |  |  |  |  |  |  |
| <b>*110*</b> |                                            |      |  |  |  |  |  |  |  |
| Packaging    | Memo                                       | 0.00 |  |  |  |  |  |  |  |
| Packaging    | Ensure material release note is attached   |      |  |  |  |  |  |  |  |

50 **DAG**  
**MAR 12 2015**

|                 |                                    |      |  |  |  |  |  |  |  |
|-----------------|------------------------------------|------|--|--|--|--|--|--|--|
| 120             | QC6- Inspect dimensions to drawing | 0.00 |  |  |  |  |  |  |  |
| <b>*120*</b>    |                                    |      |  |  |  |  |  |  |  |
| QC              | Memo                               | 0.00 |  |  |  |  |  |  |  |
| Quality Control |                                    |      |  |  |  |  |  |  |  |

50 **DAS**  
**38**  
**9-89**  
**MAR 03 2015**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><br><input type="checkbox"/> Other |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# Work Order ID 129897

\*129897\*

Page 2

February-23-15 10:31:17 AM

Item ID: D2747 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Set Screw  
 Start Date: 2/23/15 Start Qty: 50.00 \*50\* Cust Item ID:  
 Required Date: 2/23/15 Req'd Qty: 50.00 \*50\* Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description                             | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|------------------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 130                            | Identify as per dwg & Stock Location: <u>S1 0120</u> | 0.00                 |         |        |              |               |               |                  |                |
| *130*                          |                                                      |                      |         |        |              |               |               |                  |                |
| Packaging                      | Memo                                                 | 0.00                 |         |        |              |               |               |                  |                |
| Packaging                      |                                                      |                      |         |        |              |               |               |                  |                |
| 140                            | QC21- Final Inspection - Work Order Release          | 0.00                 |         |        |              |               |               |                  |                |
| *140*                          |                                                      |                      |         |        |              |               |               |                  |                |
| QC                             | Memo                                                 | 0.00                 |         |        |              |               |               |                  |                |
| Quality Control                |                                                      |                      |         |        |              |               |               |                  |                |

046  
27  
0-03

MAR 06 2015

HLJ 15-03-06

15.3-6

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other                                                                                                                                                                                                                                                          |

# Picklist Print

February-23-15 10:31:16 AM

Page 1

Work Order ID: 129897

\*129897\*

Parent Item: D2747

\*D2747\*

Parent Item Name: Set Screw

Start Date: 2/23/15

Required Date: 2/23/15

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP: B05.08.22ReformatKJ/JLM

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status            |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|-------------------|
| 92311A639                       |                        | Purchased     |             | No                  |                  |                 | Each               | 0.0000         |             | 50           |               |                |                   |
|                                 |                        |               |             |                     |                  |                 |                    |                |             | ** SV        |               |                |                   |
|                                 |                        |               |             |                     |                  |                 |                    |                |             |              |               | MAR 02 2015    | DAG<br>06<br>9.09 |

\*92311A639\*

SS SET SCREW

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

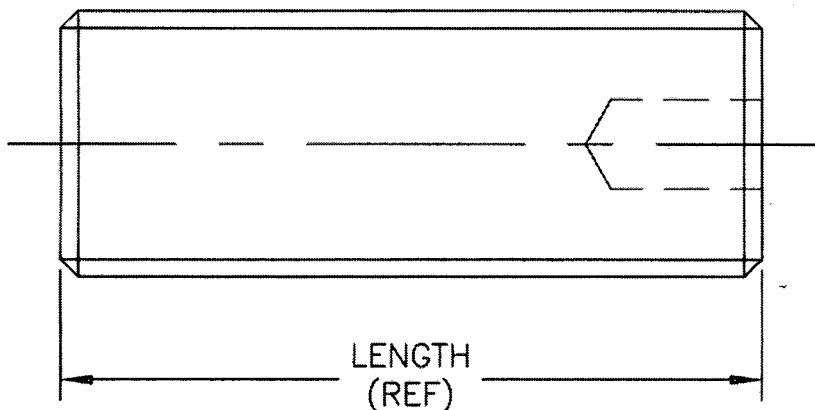
### FAULT CATEGORY

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube                                                                                                                                                                                                  | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence |
| <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Outside Dimensions<br/> <input type="checkbox"/> Over/Under tolerance<br/> <input type="checkbox"/> Part Incorrect<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Part Moved<br/> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Power Loss/Surge           </div> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Set-up<br/> <input type="checkbox"/> Temperature/Cure<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Other           </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



|                               |                                |                                              |                        |
|-------------------------------|--------------------------------|----------------------------------------------|------------------------|
| DESIGN<br>DS                  | DRAWN BY<br>PH                 | DART AEROSPACE USA, INC.<br>PORT HADLOCK, WA |                        |
| CHECKED<br><i>[Signature]</i> | APPROVED<br><i>[Signature]</i> | DRAWING NO.<br>D2747                         | REV. B<br>SHEET 1 OF 1 |
| DATE<br>05.03.09              |                                | TITLE<br>SET SCREW                           | SCALE<br>NTS           |
| A                             | 98.08.26                       | NEW ISSUE                                    |                        |
| B                             | 05.03.09                       | REDRAWN, STAINLESS STEEL ONLY                |                        |

RELEASED  
05.08.09 *[Signature]*



#### D2747 SET SCREW

- 1) TYPE: HEX SOCKET HEAD SET SCREW
- 2) MATERIAL: STAINLESS STEEL
- 3) THREAD: 3/8"-24 UNF
- 4) LENGTH = 7/8" TO 1"
- 5) FINISH: NONE
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) ALL TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

*Handwritten notes:*  
129897 MS  
1502-25  
INCO  
STAINLESS  
STEEL  
COPY  
DATE  
1502-25

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McMaster-Carr Supply Company  
200 Aurora Industrial Pkwy  
Aurora, OH 44202-8087 USA  
Phone: 330-995-5500 Fax: 330-995-9600  
E-Mail: cle.sales@mcmaster.com  
Employer Identification Number (EIN): 36-1458720

Invoice: 24049466  
Purchase Order: PO27606  
Release:  
McMaster-Carr Number: 7904410-02

ORIGINAL COMMERCIAL  
**INVOICE**  
CERTIFICATE OF ORIGIN

Ultimate Destination:  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Shipped: 27-Feb-2015 FOB: ORIGIN  
Shipper's Export Declaration (SED):  
NO EEI 30.36

Intermediate Consignee:

Bill To:  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Tax Number:

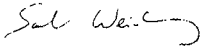
Forwarding Agent:

Billing  
Attention:

Shipping  
Attention:

Contact:

| Line                                                                                                                                                                                                                                                                                                                                                      | Description                                                                                                                                                                                                | Qty & Unit | Unit Price | Extension |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------|
| 1                                                                                                                                                                                                                                                                                                                                                         | 9610K17 MIL Spec. Two-Piece Grommet Kit, Trade Size 1, 0.687" OD, 48 Grommets with Teeth Washers<br><br>Country of Origin: United States<br>Schedule B #: 820559<br>ECCN #: EAR99 NLR                      | 4 EA       | \$12.90    | \$51.60   |
| 2                                                                                                                                                                                                                                                                                                                                                         | 95606A170 Nylon Flat Washer, 7/16" Screw Size, 0.500" ID, 0.688" OD, Off-White, Packs of 100<br><br>Country of Origin: United States<br>Schedule B #: 392690<br>ECCN #: EAR99 NLR                          | 1 PK       | \$10.41    | \$10.41   |
| 4                                                                                                                                                                                                                                                                                                                                                         | 59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread<br><br>Country of Origin: United States<br>Schedule B #: 848330<br>ECCN #: EAR99 NLR | 8 EA       | \$17.14    | \$137.12  |
| 5                                                                                                                                                                                                                                                                                                                                                         | 92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50<br><br>Country of Origin: Taiwan<br>Schedule B #: 731815<br>ECCN #: EAR99 NLR                                  | 4 PK       | \$10.80    | \$43.20   |
| <p>Your order is subject only to our terms and conditions, available at <a href="http://www.mcmaster.com">www.mcmaster.com</a> or from our Sales Department.</p> <p>These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.</p> |                                                                                                                                                                                                            |            |            |           |

|                                                                                                              |                        |                                                                                                             |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Shipping Weight (in kgs): 8                                                                                  | Number of Packages: 1  | Invoice Amounts                                                                                             | Merchandise Amount: \$1,039.19<br>Canadian GST/HST: \$137.05<br>Shipping Charges: \$14.83<br>Total (In USD): \$1,191.07                     |
| Package Dimensions:<br>30 X 30 X 30 CM = .028 CUBIC M                                                        |                        | Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days                          |                                                                                                                                             |
| Authorized Signature:<br> | Date:<br>27-Feb-2015   | Remit payment to:<br>(by mail)<br>McMaster-Carr Supply Company<br>PO Box 7690<br>Chicago, IL 60680-7690 USA | (by wire transfer)<br>Bank of America Illinois<br>231 S LaSalle<br>Chicago, IL 60697<br>ABA 071000039 Account 86666-02021<br>SWIFT BOFAUS3N |
| Name: Sarah Weinberg                                                                                         | Title: Operations Mgr. | Page 1 of 3                                                                                                 |                                                                                                                                             |



McMaster-Carr Supply Company  
 200 Aurora Industrial Pkwy  
 Aurora, OH 44202-8087 USA  
 Phone: 330-995-5500 Fax: 330-995-9600  
 E-Mail: cle.sales@mcmaster.com  
 Employer Identification Number (EIN): 36-1458720

Invoice: 24049466  
 Purchase Order: PO27606  
 Release:  
 McMaster-Carr Number: 7904410-02

ORIGINAL COMMERCIAL  
**INVOICE**  
 CERTIFICATE OF ORIGIN

| Line | Description                                                                                                                                                                                              | Qty & Unit | Unit Price | Extension |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------|
| 6    | 92311A639 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10<br><br>Country of Origin: Taiwan<br>Schedule B #: 731815<br>ECCN #: EAR99 NLR                                   | 5 PK       | \$6.58     | \$32.90   |
| 7    | 91525A120 Type 316 Stainless Steel Flat Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1.000" OD, Packs of 25<br><br>Country of Origin: Taiwan<br>Schedule B #: 731822<br>ECCN #: EAR99 NLR              | 2 PK       | \$6.67     | \$13.34   |
| 8    | 63215K34 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick<br><br>Country of Origin: Peoples Republic of China<br>Schedule B #: 848330<br>ECCN #: EAR99 NLR   | 20 EA      | \$17.24    | \$344.80  |
| 9    | 57155K335 Mini High-Precision Stainless Steel Ball Bearing - ABEC-5, Flange Shield, Extended Inner Ring, 3/16" ID, 3/8" OD<br><br>Country of Origin: Taiwan<br>Schedule B #: 848210<br>ECCN #: 1C999 NLR | 12 EA      | \$7.50     | \$90.00   |
| 10   | 7566K25 Cable Tie Mount, Adhesive/Fastener Mount, 4 Way, 0.21" Tie WD. , White, Packs of 50<br><br>Country of Origin: United States<br>Schedule B #: 392690<br>ECCN #: EAR99 NLR                         | 1 PK       | \$8.12     | \$8.12    |
| 11   | 5099A29 Hole-Grip Clamp, Fits 3/32" Diameter<br><br>Country of Origin: United States<br>Schedule B #: 820570<br>ECCN #: EAR99 NLR                                                                        | 100 EA     | \$1.62     | \$162.00  |
| 12   | 8858T21 Polypropylene Covered Elastic Cord, 3/16" Diameter, Black, 50' Length<br><br>Country of Origin: United States<br>Schedule B #: 560900<br>ECCN #: EAR99 NLR                                       | 50 FT      | \$0.23     | \$11.50   |
| 13   | 76375A76 Nonskid Matting Tape, 2-1/2" Width X 25' Length<br><br>Country of Origin: United States<br>Schedule B #: 481141<br>ECCN #: EAR99 NLR                                                            | 1 RL       | \$12.43    | \$12.43   |
| 14   | 53355T71 Polyester/Cotton Blend Shop Coat, Dark Blue, Size 42<br><br>Country of Origin: Mexico<br>Schedule B #: 621143<br>ECCN #: EAR99 NLR                                                              | 1 EA       | \$31.04    | \$31.04   |
| 15   | 53355T71 Polyester/Cotton Blend Shop Coat, Dark Blue, Size 44<br><br>Country of Origin: Mexico<br>Schedule B #: 621143<br>ECCN #: EAR99 NLR                                                              | 1 EA       | \$31.04    | \$31.04   |
| 16   | 8324A89 Cobalt Steel Decimal Size Chucking Reamer, .3130" Diameter, 1-1/2" Flute Length, .2792" Shank<br><br>Country of Origin: United States<br>Schedule B #: 820760<br>ECCN #: EAR99 NLR               | 1 EA       | \$47.25    | \$47.25   |

Number of Packages: 1

Page 2 of 3

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO27606**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**7904410-02**

Page 1 of 2

02/27/2015

| Line | Product                                                                                                                           | Ordered     | Shipped |   |
|------|-----------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---|
| 1    | <b>9610K17</b> MIL Spec. Two-Piece Grommet Kit, Trade Size 1, 0.687" OD, 48 Grommets with Teeth Washers                           | 4<br>Each   | 4       | / |
| 2    | <b>95606A170</b> Nylon Flat Washer, 7/16" Screw Size, 0.500" ID, 0.688" OD, Off-White, Packs of 100                               | 1<br>Pack   | 1       | / |
| 4    | <b>59915K274</b> PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread      | 8<br>Each   | 8       | / |
| 5    | <b>92311A599</b> 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50                                | 4<br>Packs  | 4       | / |
| 6    | <b>92311A639</b> 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10                                   | 5<br>Packs  | 5       | / |
| 7    | <b>91525A120</b> Type 316 Stainless Steel Flat Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1.000" OD, Packs of 25              | 2<br>Packs  | 2       | / |
| 8    | <b>63215K34</b> Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick                      | 20<br>Each  | 20      | / |
| 9    | <b>57155K335</b> Mini High-Precision Stainless Steel Ball Bearing - ABEC-5, Flange Shield, Extended Inner Ring, 3/16" ID, 3/8" OD | 12<br>Each  | 12      | / |
| 10   | <b>7566K25</b> Cable Tie Mount, Adhesive/Fastener Mount, 4 Way, 0.21" Tie WD. , White, Packs of 50                                | 1<br>Pack   | 1       | / |
| 11   | <b>5099A29</b> Hole-Grip Clamp, Fits 3/32" Diameter                                                                               | 100<br>Each | 100     | / |
| 12   | <b>8858T21</b> Polypropylene Covered Elastic Cord, 3/16" Diameter, Black, 50' Length                                              | 50<br>Feet  | 50      | / |
| 13   | <b>76375A76</b> Nonskid Matting Tape, 2-1/2" Width X 25' Length                                                                   | 1<br>Roll   | 1       | / |
| 14   | <b>53355T71</b> Polyester/Cotton Blend Shop Coat, Dark Blue, Size 42                                                              | 1<br>Each   | 1       | / |
| 15   | <b>53355T71</b> Polyester/Cotton Blend Shop Coat, Dark Blue, Size 44                                                              | 1<br>Each   | 1       | / |
| 16   | <b>8324A89</b> Cobalt Steel Decimal Size Chucking Reamer, .3130" Diameter, 1-1/2" Flute Length, .2792" Shank                      | 1<br>Each   | 1       | / |
| 17   | <b>91732A719</b> 18-8 Stainless Steel Standard Helical Insert, 10-24 Internal Thread, 0.380" Length, MS122160, Packs of 10        | 2<br>Packs  | 2       | / |

Shipped separately from our Chicago warehouse on 02/27

# Packing List

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO27606**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**7904410-02**

Page 2 of 2

02/27/2015

| Line | Description                                      | Ordered     | Shipped |
|------|--------------------------------------------------|-------------|---------|
| 3    | 9776K117 1" W X 50' L Hook, Adhesive Back, Beige | 1<br>Length | 1       |

McMaster-Carr Supply Company  
 200 Aurora Industrial Pkwy  
 Aurora, OH 44202-8087 USA  
 Phone: 330-995-5500 Fax: 330-995-9600  
 E-Mail: cle.sales@mcmaster.com  
 Employer Identification Number (EIN): 36-1458720

Invoice: 24049466  
 Purchase Order: PO27606  
 Release:  
 McMaster-Carr Number: 7904410-02

ORIGINAL COMMERCIAL  
**INVOICE**  
 CERTIFICATE OF ORIGIN

| Line | Description                                                                                                                                                                                                                                                                | Qty & Unit | Unit Price | Extension |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------|
| 17   | 91732A719 18-8 Stainless Steel Standard Helical Insert, 10-24 Internal Thread, 0.380" Length, MS122160, Packs of 10<br><br>Country of Origin: United States<br>Schedule B #: 731829<br>ECCN #: EAR99 NLR<br><br>NOTE Tracking number(s) for this shipment:<br>MFA004097290 | 2 PK       | \$6.22     | \$12.44   |

Number of Packages: 1



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27606**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 1 of 7

**Order From :**

VU-MCM001

**Ship To :** DART AEROSPACE LTD

MCMASTER-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Ship To Contact**

**Terms**

Net 10

**Ship To Phone**

**Currency**

USD

**Ship Via:**

Purolator ground ppd

**FOB**

FCA - (Free Carrier)

**Ship Acct:**

| Line Nbr    | Reference Vendor Part Number<br>Line Comments<br>Delivery Comments | Description/<br>Mfg ID | Req Date/<br>Taxable<br>Promise Date | CD | Req Qty/<br>Unit of<br>Measure                                | PO Unit Price | Extended Price |
|-------------|--------------------------------------------------------------------|------------------------|--------------------------------------|----|---------------------------------------------------------------|---------------|----------------|
| 1           | 9610K17<br><br>AS PER DWG D3619 REV. A<br>B129958                  | GROMMET                | 3/3/2015<br>Yes<br>3/3/2015          |    | 4.00<br>Each                                                  | \$12.90       | \$51.60        |
| Line Total: |                                                                    |                        |                                      |    |                                                               |               | \$51.60        |
| 2           | 95606A170<br><br>AS PER DWG D3631 REV. A<br>B129928                | Washer                 | 3/3/2015<br>Yes<br>3/3/2015          |    | 100.00<br>Each<br><i>Relu</i><br><i>15/03/02</i><br><i>SD</i> | \$0.10        | \$10.41        |
| Line Total: |                                                                    |                        |                                      |    |                                                               |               | \$10.41        |

Note:

2/27/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27606**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 2 of 7

**Order From :**

VU-MCM001

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Purolator ground ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 10

**Currency** USD

**FOB** FCA - (Free Carrier)

|   |          |                                      |          |       |        |         |
|---|----------|--------------------------------------|----------|-------|--------|---------|
| 3 | 9776K117 | Flame Retardent Nylon<br>Hook & Loop | 3/3/2015 | 50.00 | \$1.28 | \$63.96 |
|   |          |                                      | Yes      | f     |        |         |
|   |          |                                      | 3/3/2015 |       |        |         |

AS PER DWG D3800 REV. B  
B130077

**Line Total:** \$63.96

|   |           |                 |          |      |         |          |
|---|-----------|-----------------|----------|------|---------|----------|
| 4 | 59915K274 | Rod End Bearing | 3/3/2015 | 8.00 | \$17.14 | \$137.12 |
|   |           |                 | Yes      | Each |         |          |
|   |           |                 | 3/3/2015 |      |         |          |

AS PER DWG D4777 REV. A  
B129849

**Line Total:** \$137.12

|   |           |           |          |        |        |         |
|---|-----------|-----------|----------|--------|--------|---------|
| 5 | 92311A599 | SET SCREW | 3/3/2015 | 200.00 | \$0.22 | \$43.20 |
|   |           |           | Yes      | Each   |        |         |
|   |           |           | 3/3/2015 |        |        |         |

AS PER DWG D2712 REV. B  
B130024

**Line Total:** \$43.20

**Note:**

2/27/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27606**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 3 of 7

**Order From :**

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

VU-MCM001

**Ship To :**

DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Purolator ground ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 10

**Currency** USD

**FOB** FCA - (Free Carrier)

|   |           |              |                             |               |        |         |
|---|-----------|--------------|-----------------------------|---------------|--------|---------|
| 6 | 92311A639 | SS SET SCREW | 3/3/2015<br>Yes<br>3/3/2015 | 50.00<br>Each | \$0.66 | \$32.90 |
|---|-----------|--------------|-----------------------------|---------------|--------|---------|

AS PER DWG D2747 REV. B  
B129897

**Line Total:** \$32.90

|   |           |        |                             |               |        |         |
|---|-----------|--------|-----------------------------|---------------|--------|---------|
| 7 | 91525A120 | washer | 3/3/2015<br>Yes<br>3/3/2015 | 50.00<br>Each | \$0.27 | \$13.34 |
|---|-----------|--------|-----------------------------|---------------|--------|---------|

AS PER DWG D3456 REV. A  
B129861

**Line Total:** \$13.34

|   |          |         |                             |               |         |          |
|---|----------|---------|-----------------------------|---------------|---------|----------|
| 8 | 63215K34 | Bearing | 3/3/2015<br>Yes<br>3/3/2015 | 20.00<br>Each | \$17.24 | \$344.80 |
|---|----------|---------|-----------------------------|---------------|---------|----------|

AS PER DWG D2611 REV. C  
B130047

**Line Total:** \$344.80

**Note:**

2/27/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27606**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 4 of 7

**Order From :**

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

VU-MCM001

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Purolator ground ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 10

**Currency** USD

**FOB** FCA - (Free Carrier)

|   |           |         |          |       |      |         |
|---|-----------|---------|----------|-------|------|---------|
| 9 | 57155K335 | Bearing | 3/3/2015 | 12.00 | 7.50 | \$90.00 |
|   |           |         | Yes      | Each  |      |         |
|   |           |         | 3/3/2015 |       |      |         |

AS PER DWG E4511 REV. A  
B130219

**Line Total:** \$90.00

|    |         |                |          |       |        |        |
|----|---------|----------------|----------|-------|--------|--------|
| 10 | 7566K25 | TIE WRAP MOUNT | 3/3/2015 | 50.00 | \$0.16 | \$8.12 |
|    |         |                | Yes      | Each  |        |        |
|    |         |                | 3/3/2015 |       |        |        |

AS PER DWG D3600 REV. A  
B129921

**Line Total:** \$8.12

|    |          |                   |          |        |        |          |
|----|----------|-------------------|----------|--------|--------|----------|
| 11 | 71500-20 | 5099A29 CLECO #40 | 3/3/2015 | 100.00 | \$1.62 | \$162.00 |
|    |          |                   | Yes      | Each   |        |          |
|    |          |                   | 3/3/2015 |        |        |          |

13/03/2015  
34

**Line Total:** \$162.00

**Deliver To:** SYLVIE

**Note:**

2/27/2015





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27606**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 5 of 7

**Order From :**

VU-MCM001

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Purolator ground ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 10

**Currency** USD

**FOB** FCA - (Free Carrier)

|    |              |                                        |          |      |  |         |         |
|----|--------------|----------------------------------------|----------|------|--|---------|---------|
| 12 | 71400-15     | 8858T21 COVERED<br>ELASTIC COLOR BLACK | 3/3/2015 | 1.00 |  | \$11.50 | \$11.50 |
|    |              |                                        | Yes      | Each |  |         |         |
|    |              |                                        | 3/3/2015 |      |  |         |         |
|    | 50 FT LENGHT |                                        |          |      |  |         |         |

**Line Total:** \$11.50

**Deliver To:** ERIC.L

|    |          |                          |          |      |  |         |         |
|----|----------|--------------------------|----------|------|--|---------|---------|
| 13 | 71400-11 | 76375A76 MATTING<br>TAPE | 3/3/2015 | 1.00 |  | \$12.43 | \$12.43 |
|    |          |                          | Yes      | Each |  |         |         |
|    |          |                          | 3/3/2015 |      |  |         |         |

**Line Total:** \$12.43

**Deliver To:** ANDY

|    |          |                                |          |      |  |         |         |
|----|----------|--------------------------------|----------|------|--|---------|---------|
| 14 | 71400-20 | 53355T71 SHOP COAT<br>SIZE: 42 | 3/3/2015 | 1.00 |  | \$31.04 | \$31.04 |
|    |          |                                | Yes      | Each |  |         |         |
|    |          |                                | 3/3/2015 |      |  |         |         |

15/03/2  
500

**Line Total:** \$31.04

**Deliver To:** CHANTAL

**Note:**

2/27/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO27606

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 6 of 7

**Order From :**

VU-MCM001

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Purolator ground ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 10

**Currency**

USD

**FOB**

FCA - (Free Carrier)

|    |          |                                |          |      |   |         |         |
|----|----------|--------------------------------|----------|------|---|---------|---------|
| 15 | 71400-20 | 53355T71 SHOP COAT<br>SIZE: 44 | 3/3/2015 | 1.00 | / | \$31.04 | \$31.04 |
|    |          | Yes                            | 3/3/2015 | Each |   |         |         |

**Line Total:** \$31.04

**Deliver To:** CHANTAL

|    |          |                     |          |      |   |         |         |
|----|----------|---------------------|----------|------|---|---------|---------|
| 16 | 71500-30 | 8324A89 REAMER .313 | 3/3/2015 | 1.00 | / | \$47.25 | \$47.25 |
|    |          | Yes                 | 3/3/2015 | Each |   |         |         |

**Line Total:** \$47.25

**Deliver To:** CNC

|    |          |                             |          |       |  |        |          |
|----|----------|-----------------------------|----------|-------|--|--------|----------|
| 17 | 71500-15 | 91732A719 10-24<br>HELICOIL | 3/3/2015 | 20.00 |  | \$6.22 | \$124.40 |
|    |          | Yes                         | 3/3/2015 | Each  |  |        |          |

10703/234

**Line Total:** \$124.40

**Deliver To:** ERIC.L

**Note:**

2/27/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27606**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 7 of 7

**Order From :**

VU-MCM001

**Ship To :** DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Purolator ground ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 10

**Currency** USD

**FOB** FCA - (Free Carrier)

|    |          |                                |          |      |        |        |
|----|----------|--------------------------------|----------|------|--------|--------|
| 18 | 71401-45 | PROCUREMENT<br>QUALITY CLAUSES | 3/3/2015 | 1.00 | \$0.00 | \$0.00 |
|----|----------|--------------------------------|----------|------|--------|--------|

No

3/3/2015

PROCUREMENT QUALITY CLAUSES

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A025 CERTIFICATE OF CONFORMANCE

A040 NOTIFICATION OF QUALITY ESCAPE

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

**Line Total:** \$0.00

**PO Total:** \$1,215.11

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1

**Change Date:** 2/27/2015